ABSTRACT OF THE DISCLOSURE

The invention realtes to a method for detecting and quantifying first biopolymers (1) that are located in a liquid. Second biopolymers (2) having a specific affinity towards the first biopolymers (1) to be detected are bound to the surface of a first electrode (E1). The first and at least one second electrode are dipped into the liquid. The inventive method comprises the following steps: a) applying a changeable voltage and/or a changeable current over the first (E1) and second electrode (E2) and b) measuring the direct change of voltage and/or current, whereby said change is the result of the accumulation of the first biomolecules (1) to the second biomolecules (2).